CLAIM AMENDMENTS

The claims are not amended. A copy of the claims, including their current status, is provided below.

1-5 **(withdrawn)**

6. **(Previously presented)** A method that allows a probe and target to hybridize at a temperature lower than their standard hybridization temperature, comprising:
   (a) heating the probe and target in the presence of a chemical component of the formula:
   $R(NH_2)C=O$
   where R is an amino or a methyl group; and
   (b) allowing the probe and target to hybridize,
   wherein said probe is an oligonucleotide probe attached to the surface of a glass substrate.

7. **(Previously presented)** A method as recited in claim 6, wherein said probe and target are heated to a temperature that is lower than their standard hybridization temperature.

8. **(Previously presented)** A method as recited in claim 6, further comprising adding said chemical compound to a solution prior to heating step (a).

9-12. **(withdrawn)**

13-14. **(cancelled)**

15. **(Previously presented)** A method that allows a probe on a micro array surface to hybridize to a target at a temperature lower than their standard hybridization temperature, comprising:
   (a) heating the probe and target in the presence of a chemical component of the formula:

$R(NH_2)C=O$

where R is an amino or a methyl group; and

(b) allowing the probe and target to hybridize,

wherein said probe is an oligonucleotide probe attached to the surface of a glass substrate.

16. **(Previously presented)** A method as recited in claim 15, wherein said probe and target are heated to a temperature that is lower than their standard hybridization temperature.

17. **(Previously presented)** A method as recited in claim 15, further comprising adding said chemical compound to a solution prior to heating step (a).

18. **(Previously presented)** A method as recited in claim 6, wherein said chemical component is urea.

19. **(Previously presented)** A method that allows a probe and target to hybridize at a temperature lower than their standard hybridization temperature, comprising:

(a) heating the probe and target in the presence of acetamide; and

(b) allowing the probe and target to hybridize,

wherein said probe is an oligonucleotide probe attached to the surface of a glass substrate.